

## COMMENTS ON CERTAIN COLEOPTERA FROM EXTREME SOUTHERN ONTARIO AND THE OTTAWA DISTRICT<sup>1</sup>

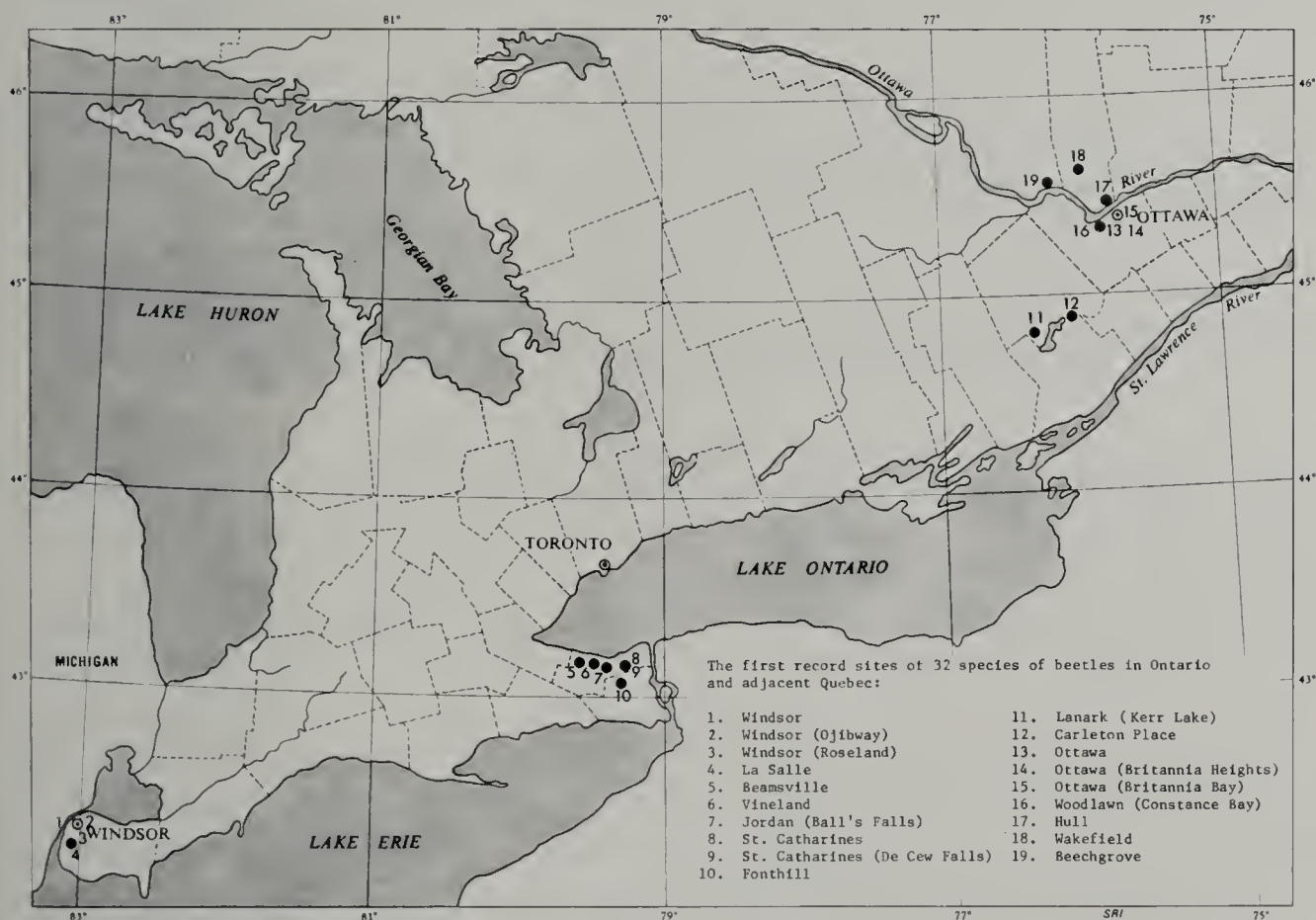
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### ABSTRACT

Records are presented for 33 species of beetles which are rare or localized in extreme southern Ontario and the Ottawa district. Families include Cicindelidae (1), Carabidae (3), Rhipiphoridae (1), Meloidae (2), Buprestidae (4), Coccinellidae (1), Scarabaeidae (5), Cerambycidae (10), Chrysomelidae (3), and Curculionidae (3).

In 1968 I published a summary article on coleopterous (and lepidopterous) collections in the Niagara Peninsula. During a period of 100 years only 4 resident coleopterists, of which I was the latest, have maintained extensive collections and published lists of their findings. My col-



lection finally contained specimens not only from the Niagara Peninsula, but also from the Windsor area, and the Ottawa District. It has been incorporated in the Canadian National Collection for several years. Species in the following list have been selected because they are either unique or

<sup>1</sup>The area embraced by a circle of 30-mile radius centered at the Parliament Buildings, Ottawa.

<sup>2</sup>I wish to thank Dr. Eugene Munroe, Ent. Res. Inst., Ottawa, for his helpful criticism.

rare Canadian records, or especially interesting records for Ontario and Quebec. None of these is represented in the earlier collectors' list (except an old, rare record of *Pseudostrangalia cruentata* Hald.).

The number of specimens first found for each record is indicated in parentheses after the collection year. Extremely local habitats are indicated in the text and on the map in the parentheses after the locality name. The family sequence follows that of the Leng (1920) catalogue.

## CICINDELIDAE

*Cicindela punctulata* Oliv.—Beechgrove, Quebec, 1964 (14); the first authentic record for Quebec. During the following years, many specimens were seen and collected on the sandy loam soil in this area (Hicks, 1965).

## CARABIDAE

*Bembidium lacunarium* Zimm.—St. Catharines (De Cew Falls), Ontario, 1957 (1): this is a unique record for Ontario (not Quebec, as recorded by Lindroth) and Canada, and has remained so. "It is an exclusively eastern ground beetle, ranging west to Minnesota and south to Texas" (Lindroth, 1963).

*Harpalus indigenus* Csy.—Woodlawn (Constance Bay), Ontario, 1960 (1): this remains a unique record for Ontario. "Apparently rare, this species is restricted to a small area in the northeast". (Lindroth, 1968).

*Calathus opaculus* Lec.—Beechgrove, Quebec, 1966 (1): this specimen and another collected in the same year and in the same sandy loam area by H. Goulet are the first published records for Quebec. "It is apparently confined to sandy areas" (Lindroth, 1966).

## RHIPIPHORIDAE

*Macrosiagon limbatum* (Fab.)—Windsor (Ojibway), Ontario, 1943 (2): the first Canadian record (Hicks, 1944). The only other record is by Karl Stephen (in litt.) who collected this species at LaSalle, Ontario, about 5 years ago.

## MELOIDAE

*Zonitis bilineata* Say—Beechgrove, Quebec, 1967 (1): a first and unique record (unpublished) for Quebec. It is rare in a few, widely scattered Ontario localities (Hicks, 1944, 1965).

*Nemognatha vittigera* Lec.—Windsor (Ojibway), Ontario, 1943 (1): this remains a unique Canadian record (Hicks, 1944).

## BUPRESTIDAE

*Acmaeodera tubulus* (Fab.)—Windsor (Ojibway), Ontario, 1943 (2): still a unique Canadian record (Hicks, 1944).

*Agrilus atricornis* Fisher—Windsor (Ojibway), Ontario, 1943 (2): the first Canadian record. Other specimens were observed on the leaves of *Corylus americana* Walt. from which these were collected (Hicks, 1944).

*Agrilus celti* Knull & *Agrilus lecontei* Saunders—Carleton Place, Ontario, 1958 (many specimens of both species): this is the first and only record of each species in the Ottawa District. They have never been reported between this locality and extreme southern Ontario where a series of each had been collected from their host, hackberry (*Celtis occidentalis* L.), at Point Pelee and Pelee Island (Hicks, 1960).

## COCCINELLIDAE

*Coccinella undecimpunctata* L.—Ottawa, Ontario, 1960 (3): the first Ontario record of this European species. I first noticed these specimens in a local student's insect collection. They were collected in the immediate vicinity of his home. Additional specimens were found later in the same area and other local areas.

## SCARABAEIDAE

*Pleurophorus altanticus* Cart.—Windsor (Ojibway), Ontario, 1944 (1): this remains the only Canadian record (Cartwright, 1948).

*Trox striatus* Melsh.—Beamsville, Ontario, 1941 (1): this remains a unique Canadian rarity (Hicks, 1947).

*Phyllophaga rugosa* (Melsh.)—Kerr Lake, Lanark County, Ontario, 1968 (6): this common species was well known in southern Ontario but only extended northeast as far as Marmora. This record extends the range eastward by 75 miles within 6 years.

*Phyllophaga nitida* (LeC.)—Vineland, Ontario, 1937 (1): a first Ontario record. It was collected by the author in a Japanese beetle scouting trap. This species has always been a rarity everywhere in Ontario and Quebec.

*Popillia japonica* Newn.—Ottawa (Britannia Heights), Ontario, 1964 (1): the first and only record of this economically important scarab in the Ottawa District is a living female collected on a raspberry leaf in the author's garden. Additional trapping was negative. This is about 400 miles from the nearest infestation at Toronto and further to extreme southern Ontario (e.g. Niagara Falls) where it first entered Canada in 1940.

## CERAMBYCIDAE

*Charisalia americana* (Hald.)—Jordan (Ball's Falls), Ontario, 1942 (1): this remains as a unique record for Canada.

*Pseudostrangalia cruentata* Hald.—St. Catharines, Ontario, 1937 (1): the second record of a very rare species in Ontario. The first and only previous record was at Grimsby (Pettit, 1871). I collected another specimen at Vineland in 1941.

*Typocerus sinuatus* (Newn.)—Windsor (Ojibway), Ontario, 1943 (1): a unique Canadian record, collected by C. J. S. Fox (Hicks, 1944).

*Oberea pruinosa* Csy.—Windsor (Roseland), Ontario, 1944 (1): 6 more in the same locality, 1947; this habitat remains a unique Ontario record (Hicks, 1962).

*Oberea appalachiana* Csy.—Windsor, Ontario, 1943 (1): the first Canadian record; collected at only 2 other localities, Westport and Leamington, Ontario (Hicks, 1962).

*Oberea exilis* Csy.—Windsor (Ojibway), Ontario, 1946 (1): this remains a unique Canadian record (Hicks, 1962).

*Oberea ocellata* Hald.—Windsor (Roseland), Ontario, 1944 (1): this is the first and only Canadian record (Hicks, 1962).

*Obera cylindricollis* Csy.—Windsor (Roseland), Ontario, 1944 (1): 3 specimens were collected in the same locality in 1947; a unique Canadian record because of the localized habitat (Hicks, 1962).

*Oberea oculaticollis* (Say)—Windsor (Ojibway), Ontario, 1943 (1): the first Ontario record. In Canada, only 2 other specimens (Transcona, Manitoba) are known (Hicks, 1962).

*Tetraopes quinque maculatus* Hald.—Windsor (Roseland), Ontario, 1944 (1): this remains a unique Canadian record (Hicks, 1945).

## CHRYSOMELIDAE

*Calligrapha rowena* Knab—Wakefield, Quebec, 1948 (2): known for several years only from a single colony in the Ottawa District. However, it is known to have wide distribution in Ontario and Quebec.

*Anoplitis philemon* (Newn.)—St. Catharines (De Cew Falls), Ontario, 1939 (2): the first Ontario record associated with its host, wood nettle (*Laportea canadensis* (L.) Webb.). In 1960, several specimens were collected for the first time, after years of searching, in the Ottawa District at Ottawa (Britannia Heights) and at Hull, Quebec (Hicks, 1965).

*Anoplitis* sp.—Ottawa (Britannia Bay), Ontario, 1960 (4 pupae): this is the only evidence, after years of searching, that this leaf miner occurs in the Ottawa District. The pupae were found dead in 4 separate mined leaves of bittersweet (*Celastrus scandens* L.). It has been collected in the Niagara Peninsula where it is common on its host (Hicks, 1965).

#### CURCULIONIDAE

*Anametis setosus* Blatch.—La Salle, Ontario, 1946 (1): this remains a unique Canadian record (Hicks, 1947).

*Brachyrhinus raucus* Fab.—Fonthill, Ontario, 1936 (1): a first North American record. Later, in Ontario, this European species was reported in numbers from an area near Oakville and in hundreds at Ottawa (Britannia Heights). There is no recent evidence that a single beetle has survived the original large Ottawa colony (Hicks, 1947, 1948).

*Cleonus piger* (Scop.)—St. Catharines, Ontario, 1942 (1): the first Ontario record. This European species was later found to be established in several Ontario localities. In Quebec, a single specimen was first found in 1933 at Cascapedia, and large numbers were reported on their food plant, Canada thistle (*Cirsium arvense* (L.) Scop.) near Montreal in 1946 (Hicks, 1949).

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